

REPLACED BY
ART 34 AND 35

What is claimed is:

1. A method for monitoring the amount of erosion in the wearing parts of a crusher,
in which method the erosion of the wearing parts of a crusher is monitored by the
5 crusher's automatic control system and, as erosion in the wearing parts reaches a
predetermined depth, the control system initiates predetermined actions, which
actions comprise issuing an alarm, **characterized** in that information on the amount
of erosion in a wearing part of the crusher is transmitted wirelessly to the automatic
control system of the crusher.
- 10 2. The method of claim 1, **characterized** in that said predetermined actions
comprise stopping the crusher.
3. The method of claim 1 or 2, **characterized** in that said predetermined actions
15 comprise stopping material infeed to the crusher.
4. The method of any one of claims 1-3, **characterized** in that said predetermined
actions comprise ordering a wearing part for the crusher.
- 20 5. An apparatus for monitoring the amount of erosion in the wearing parts of a
crusher, the apparatus comprising an automatic control system of the crusher, and at
least one wear sensor mounted on each of the wearing parts of the crusher,
characterized in that said wear sensor is equipped with means for transmitting the
measurement signal wirelessly to the automatic control system of the crusher.
- 25 6. The apparatus of claim 5, **characterized** in that the wear sensor includes means
for converting kinetic energy into electrical energy.
7. The apparatus of claim 5, **characterized** in that the wear sensors includes a
30 piezoelectric device for generating electrical energy.
8. The apparatus of claim 5, **characterized** in that the wear sensor includes means

for capturing electrical energy from an electromagnetic field surrounding the crusher.

9. The apparatus of any one of claims 5-8, **characterized** in that the wear sensor comprises a conductor embedded in an insulator.